

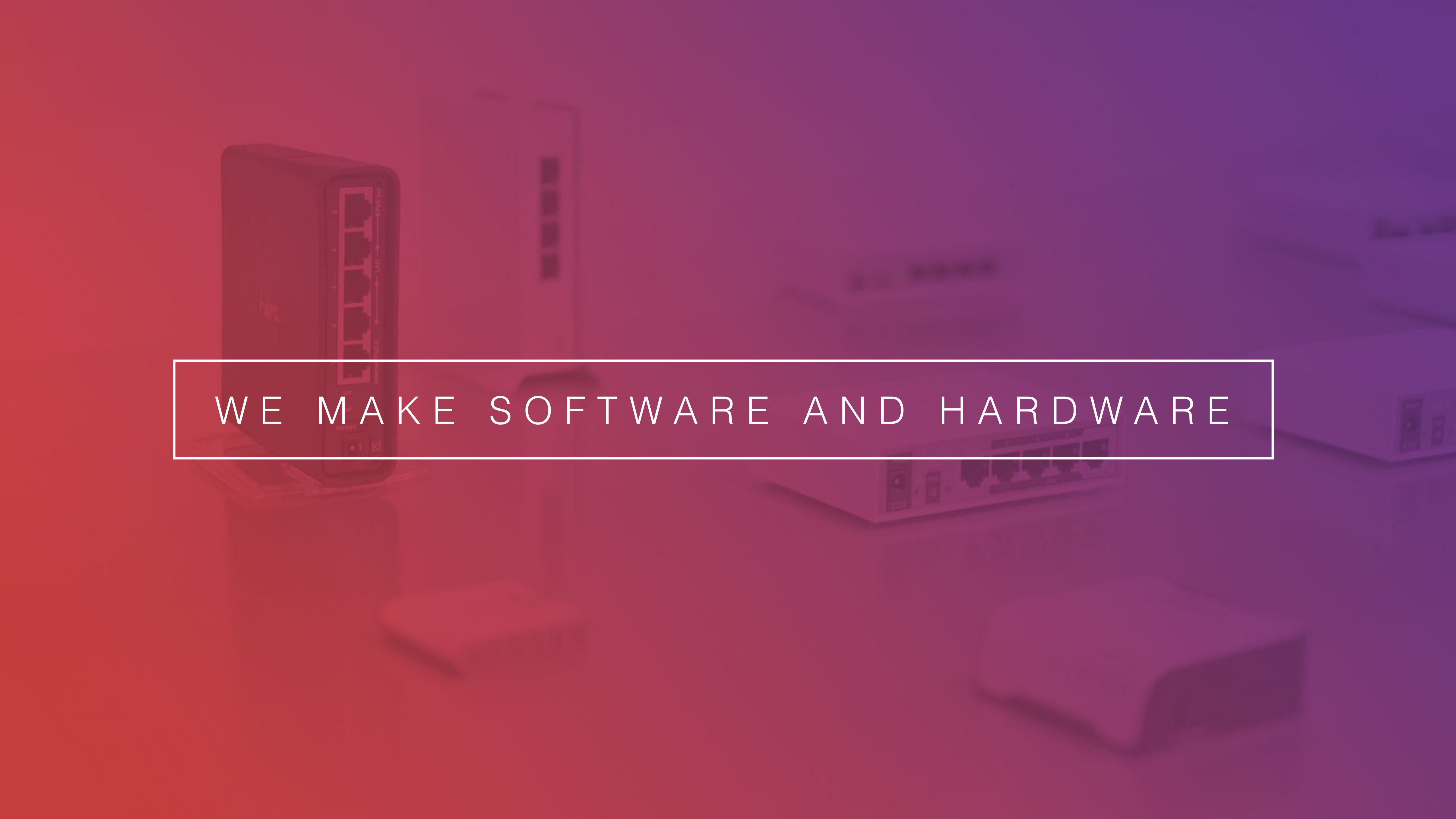
The Microtik logo is centered in the upper half of the image. It features the word "Micro" in a white, italicized, sans-serif font, followed by a stylized icon of three curved lines above the "o". The word "tik" is in a bold, italicized, sans-serif font, with the "i" having a dot. The entire logo is white and stands out against the dark, purple-tinted background.

*Micro***tik**

HUNGARY
MAY 2019



WHAT DO WE DO?



WE MAKE SOFTWARE AND HARDWARE

MORE THAN 200 PRODUCTS



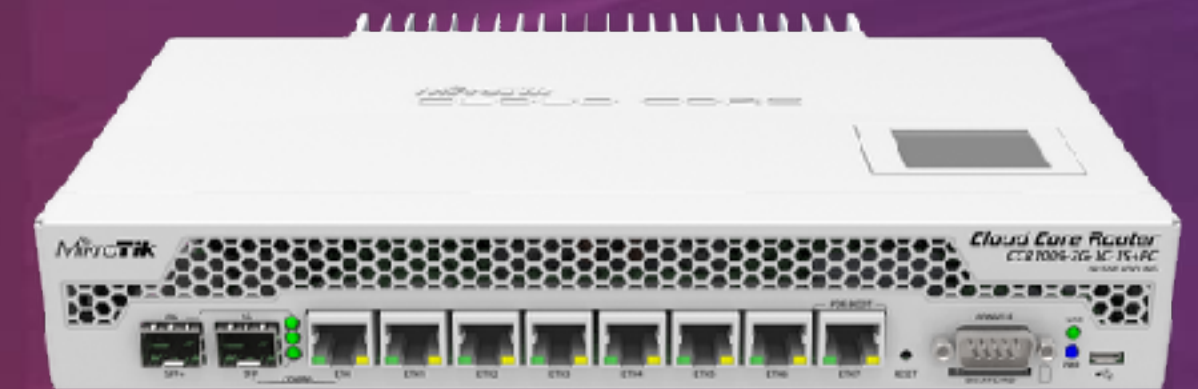
HOME



OUTDOOR



SOHO



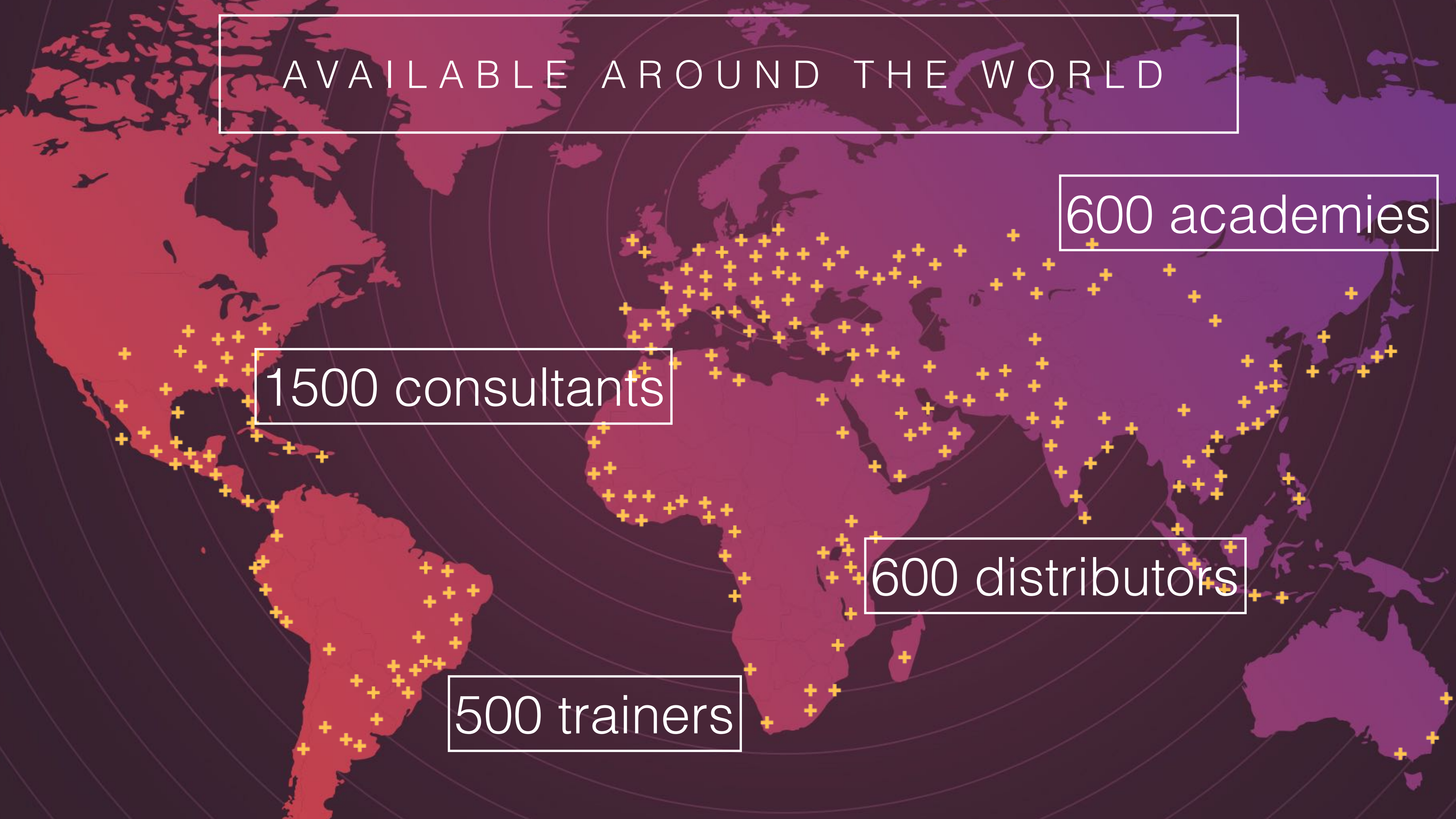
CARRIER

A world map with a purple-to-red color gradient. The map features a grid of latitude and longitude lines. Latvia is highlighted in a bright red color. A white dot is placed in the Baltic region, specifically over Latvia. The word "LATVIA" is written in large, white, sans-serif capital letters across the center of the map.

LATVIA



- Established in 1996
- RouterOS created in 1997
- RouterBOARD created in 2002

A world map with a dark purple background and a grid of latitude and longitude lines. Numerous yellow plus markers are scattered across the map, representing a global presence. Four white rectangular boxes with black borders contain text: 'AVAILABLE AROUND THE WORLD' at the top, '1500 consultants' in the middle left, '500 trainers' at the bottom left, and '600 distributors' in the bottom right. A separate box with '600 academies' is located in the upper right quadrant.

AVAILABLE AROUND THE WORLD

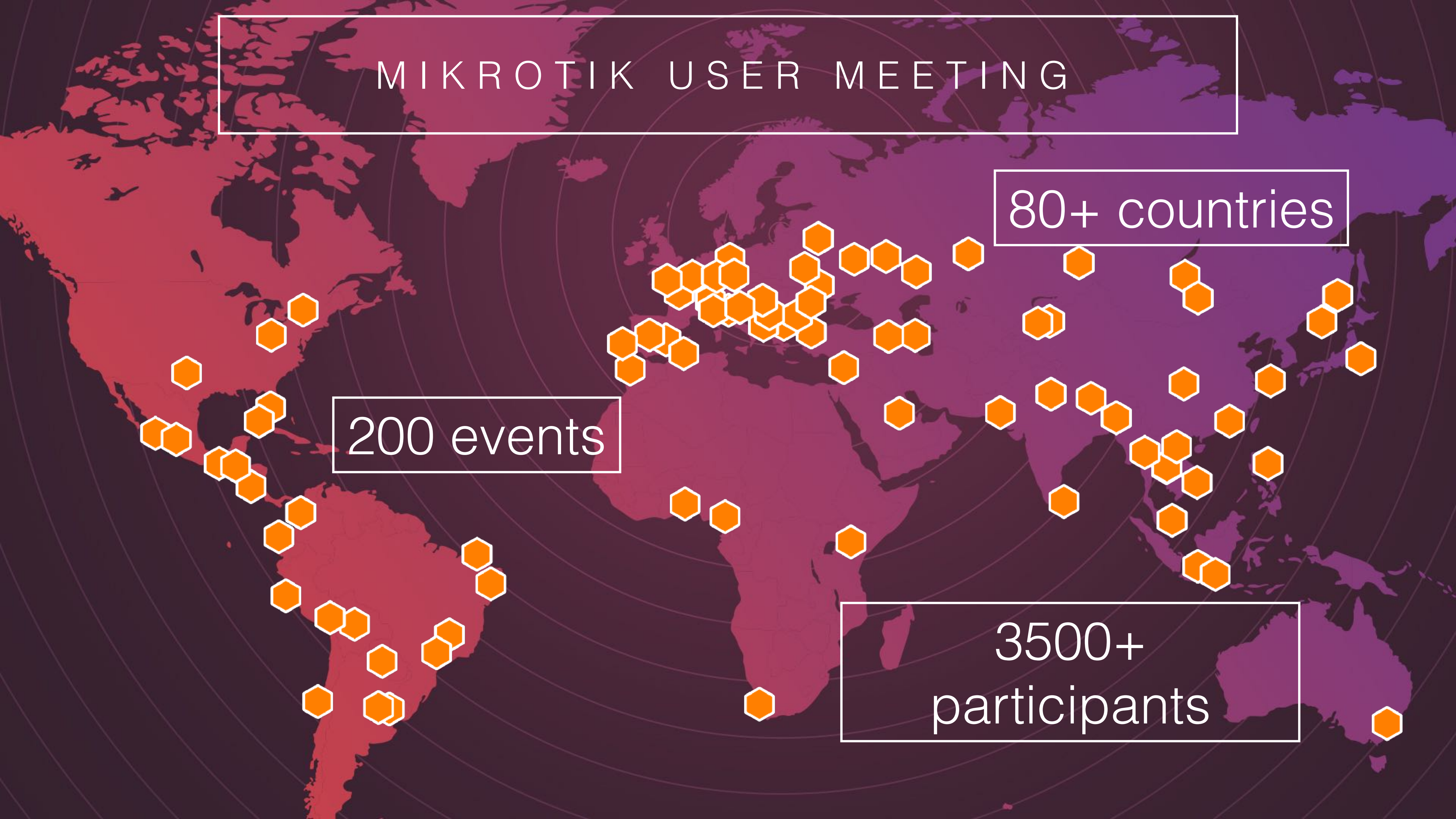
600 academies

1500 consultants

600 distributors

500 trainers

MIKROTIK USER MEETING

A world map with a dark purple background and a grid of latitude and longitude lines. Numerous orange hexagons with white outlines are scattered across the map, primarily concentrated in North America, Europe, and Asia, representing the locations of Mikrotik User Meetings.

80+ countries

200 events

3500+
participants

MUM Hungary 2019

- 3 staff members from MikroTik
- Agenda for today: <https://mt.lv/agenda>
- Lunch with coupon
- Beer, drinks and lottery after the event
- WiFi: MikroTik, password “mikrotik”

Special thanks!

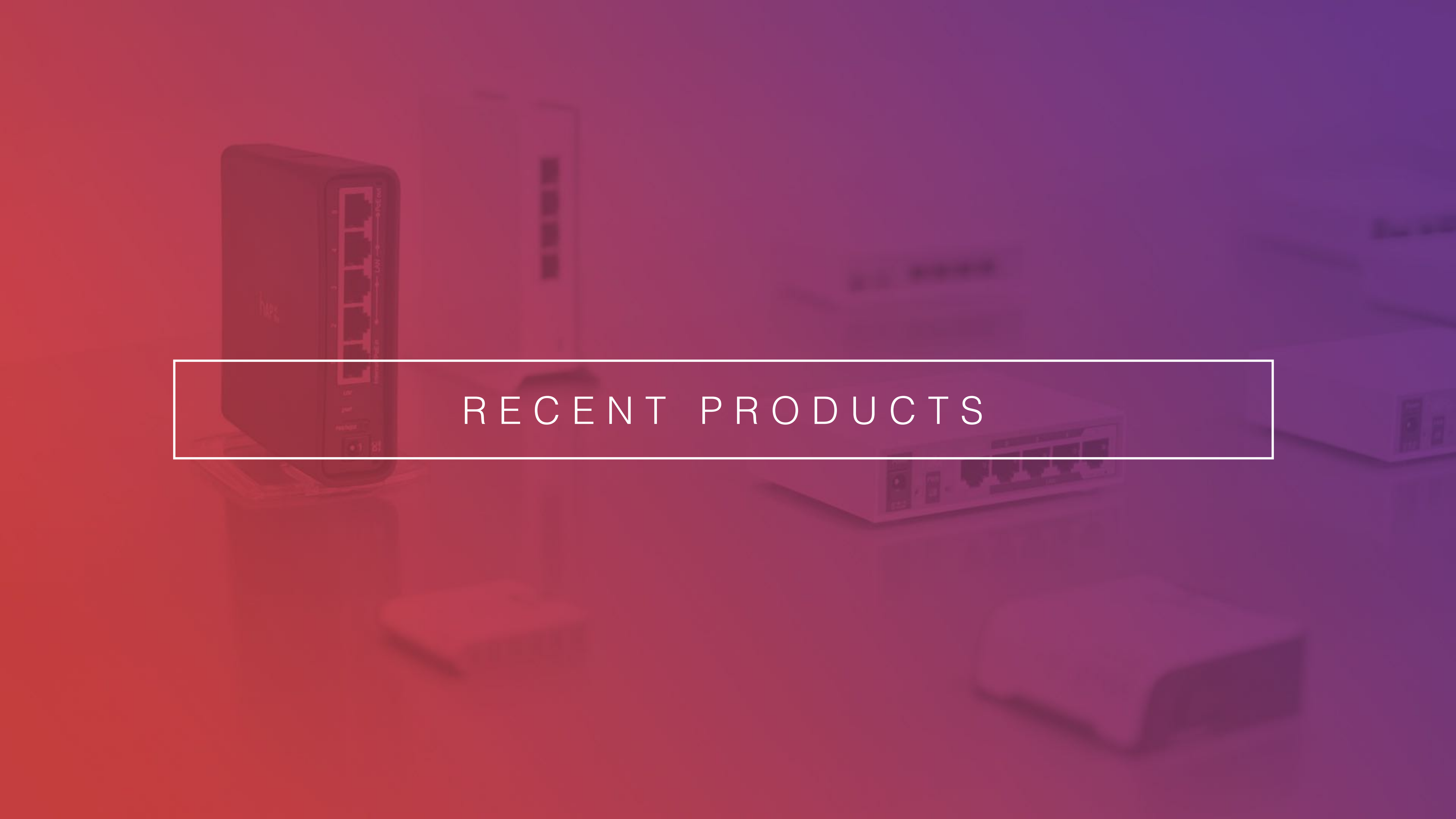


AccessPoint

AccessPoint



LIVESTREAM
youtube.com/mikrotik



RECENT PRODUCTS

60 GHz device family

wAP 60Gx3 AP



Wireless Wire Dish



SXTsq Lite60



LHG Lite60



4G kits

LtAP mini



wAP



SXT



LHG

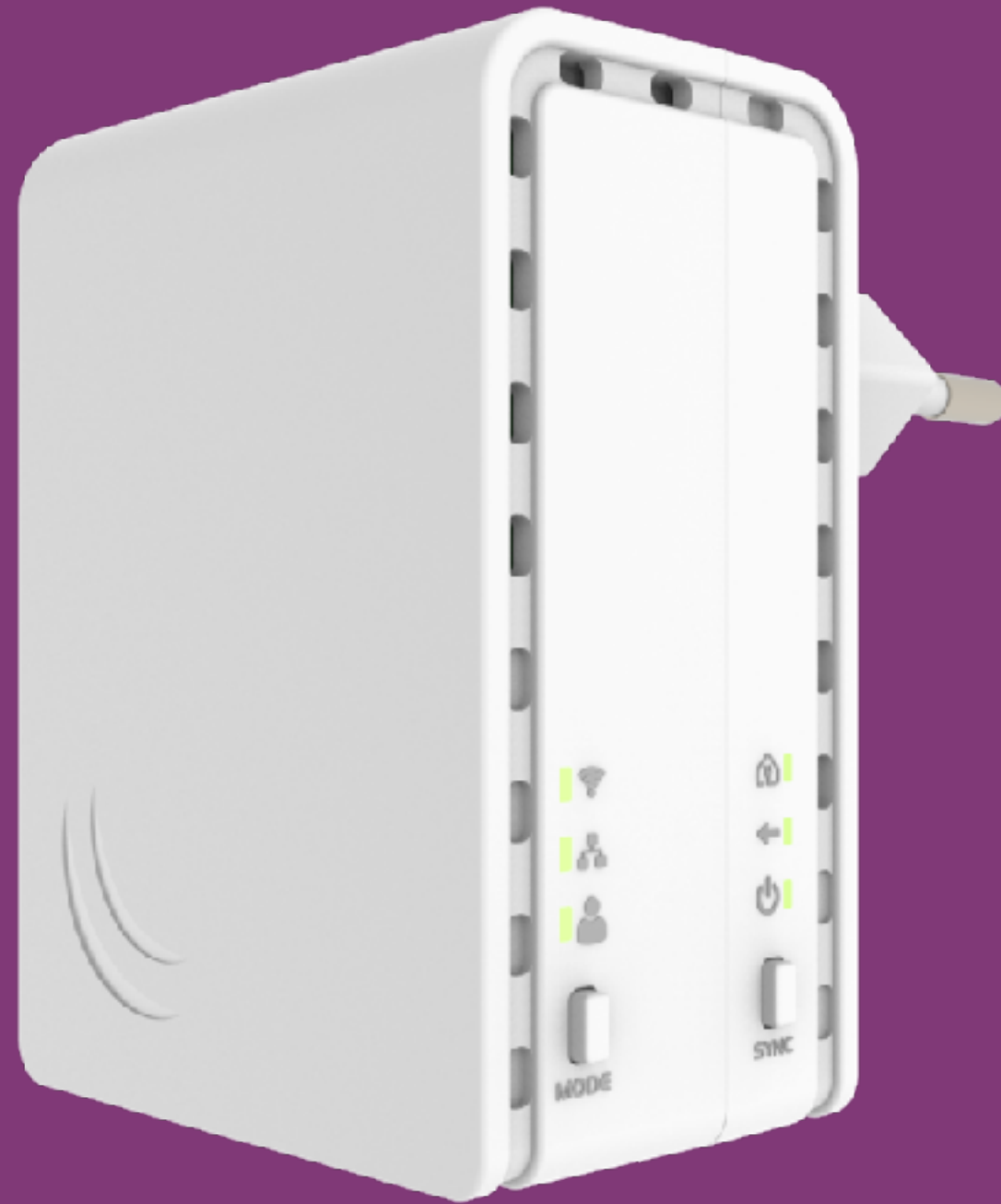


CRS309-1G-8S+PC



- 8x SFP+ ports
- 1x Gigabit Ethernet
- Passive cooling case
- Redundant power using PoE

PWR Line AP



- Small AP that directly plugs into a socket
- Makes 100 Mbps links with others like it
- Build WiFi network without special cabling

PWR Line AP

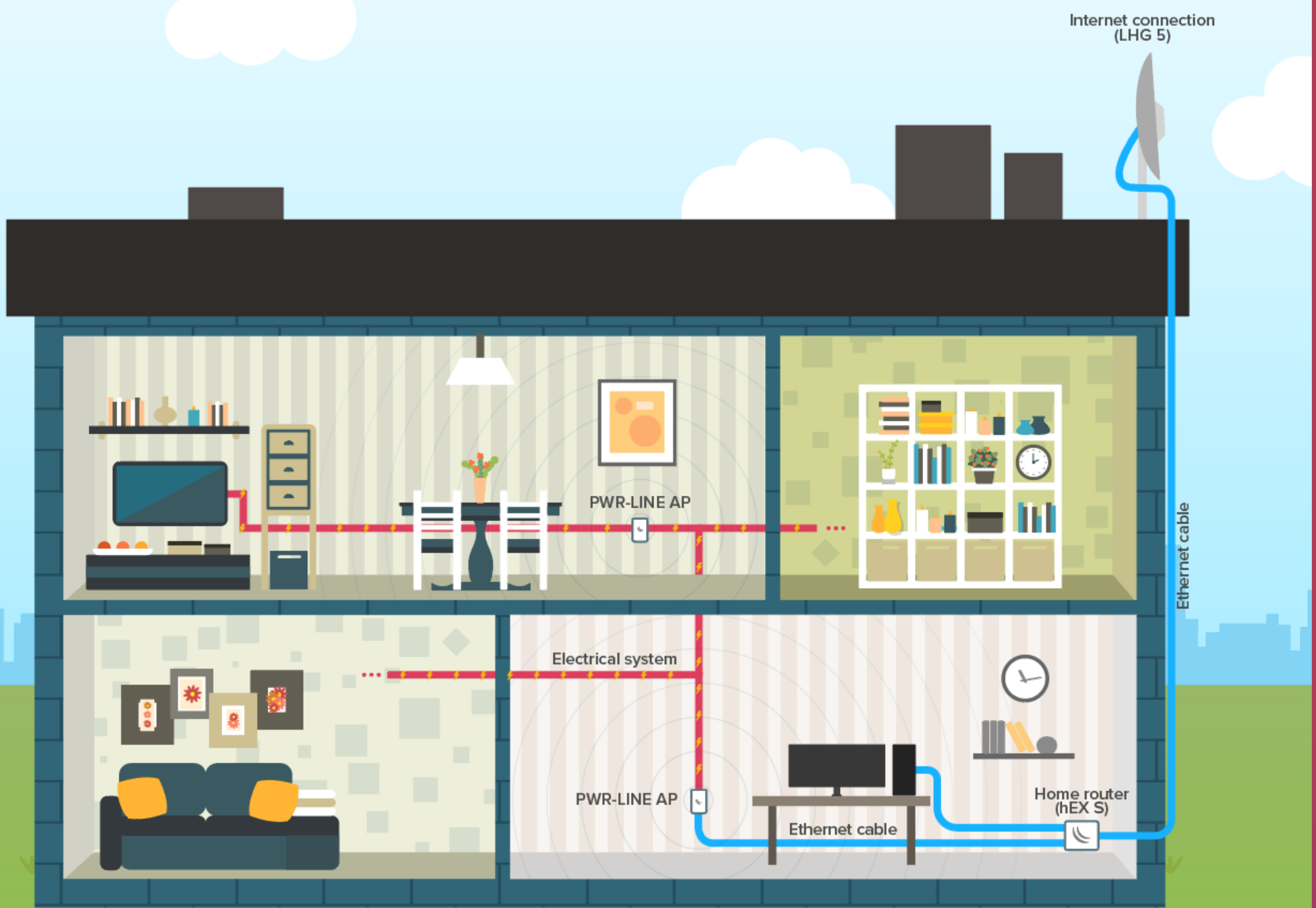


- Automatically pairs with new devices
- Uses HomePlug AV standard
- Runs standard RouterOS

PWR Line



- Adds PowerLine function via microUSB
- Supported by the new hAP lite & mini and mAP family devices
- Connect to PWR Line AP or other routers over the electrical line



RouterBOARD 4011



RouterBOARD 4011



- 2 chains for 2 GHz, 802.11 b/g/n
- 4 chains for 5 GHz, 802.11 a/n/ac
- 160 MHz channel width
- 1733 Mbps + 300 Mbps data rates

RouterBOARD 4011



- 4 Core Cortex A15 CPU
- 10 Gigabit SFP+
- IPsec hardware encryption
- 1 GB RAM
- PoE out

RouterBOARD 4011



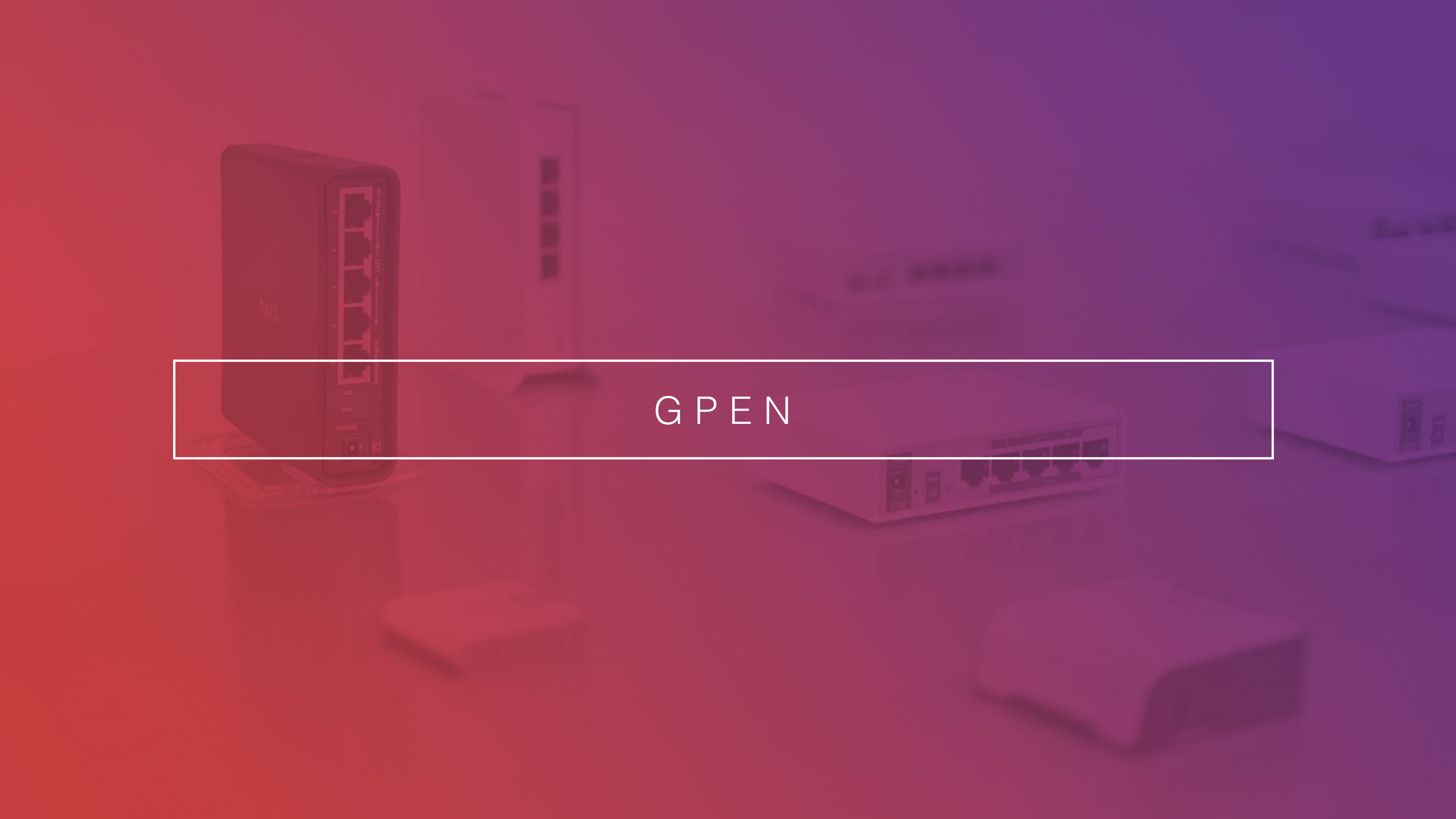
wAP ac kit



- Dual band and dual chain (2.4/5 GHz) wireless
- Two Gigabit Ethernet interfaces
- miniPCle slot for LTE card
- 4 core CPU
- Three models available (LTE, 4G, without miniPCle card)

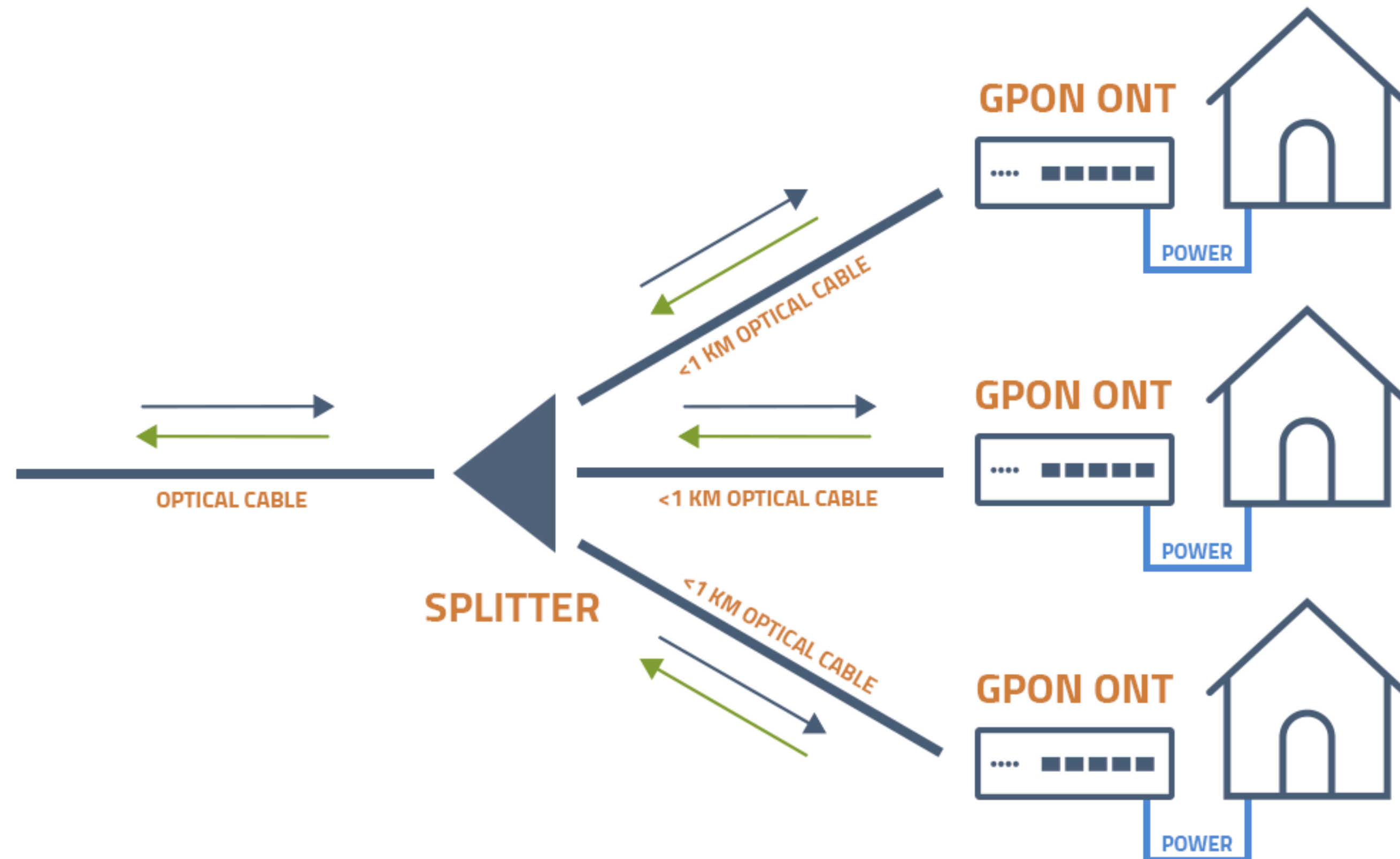
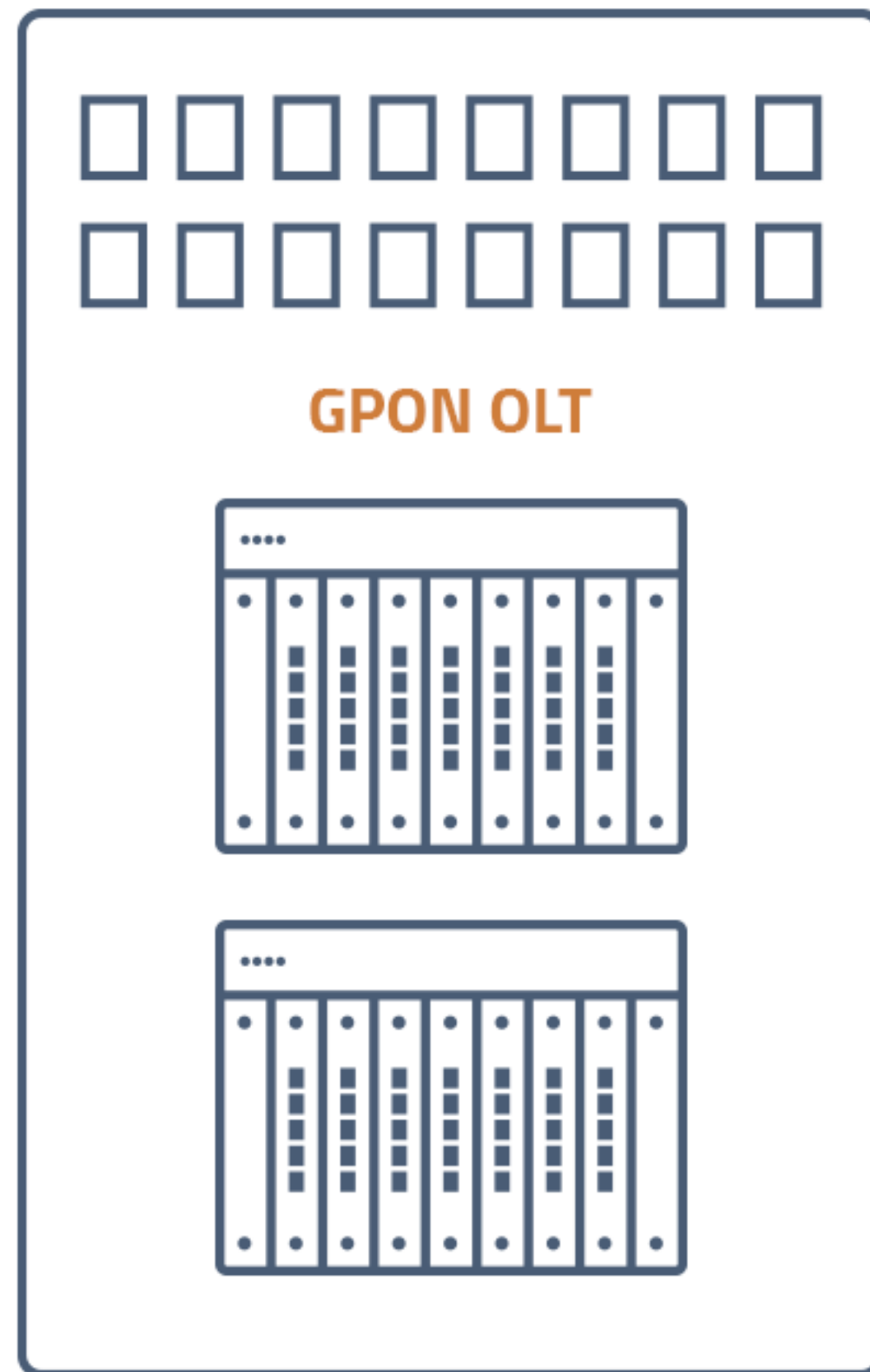


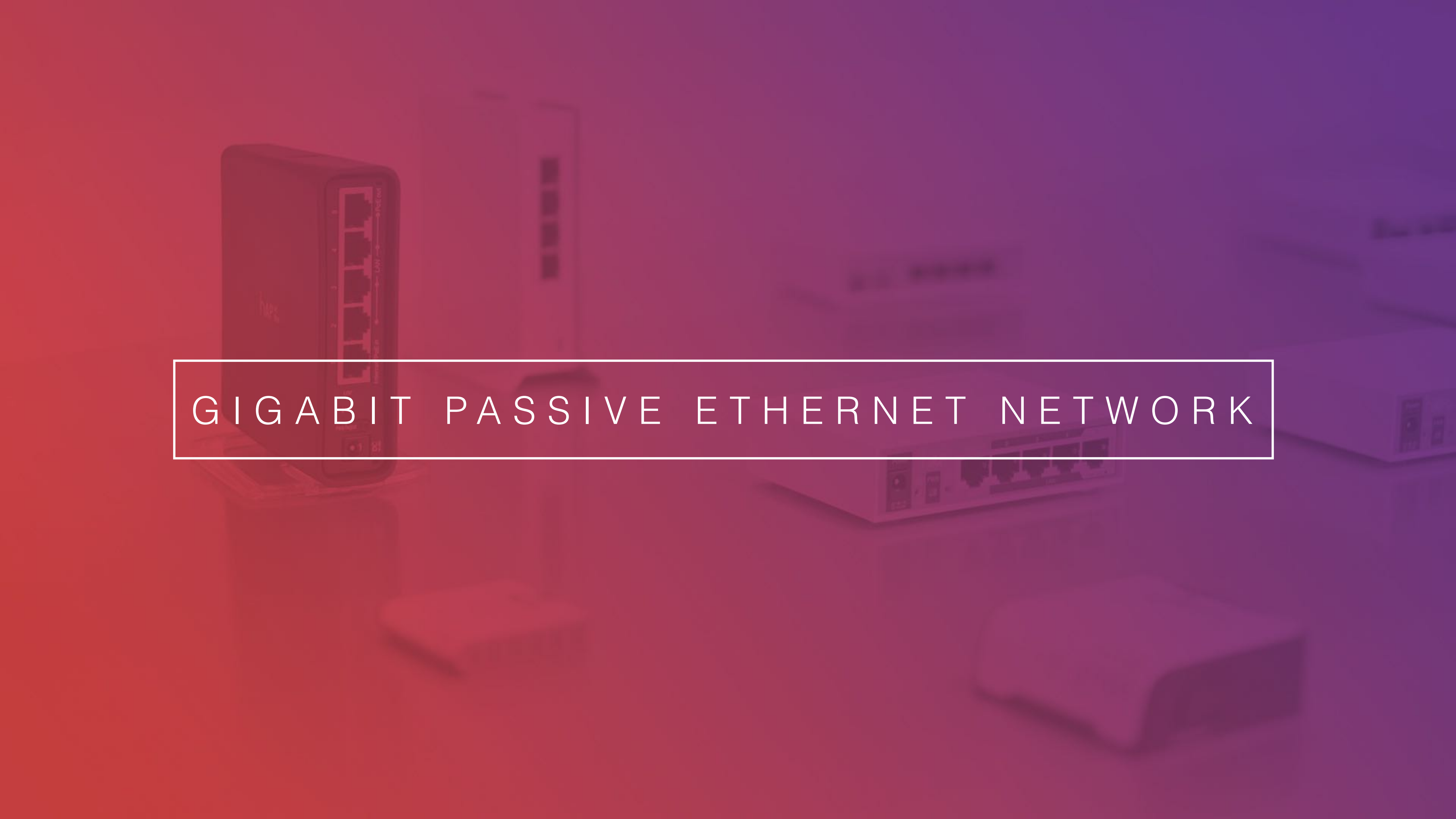
UPCOMING PRODUCTS



GPEN

CENTRAL OFFICE



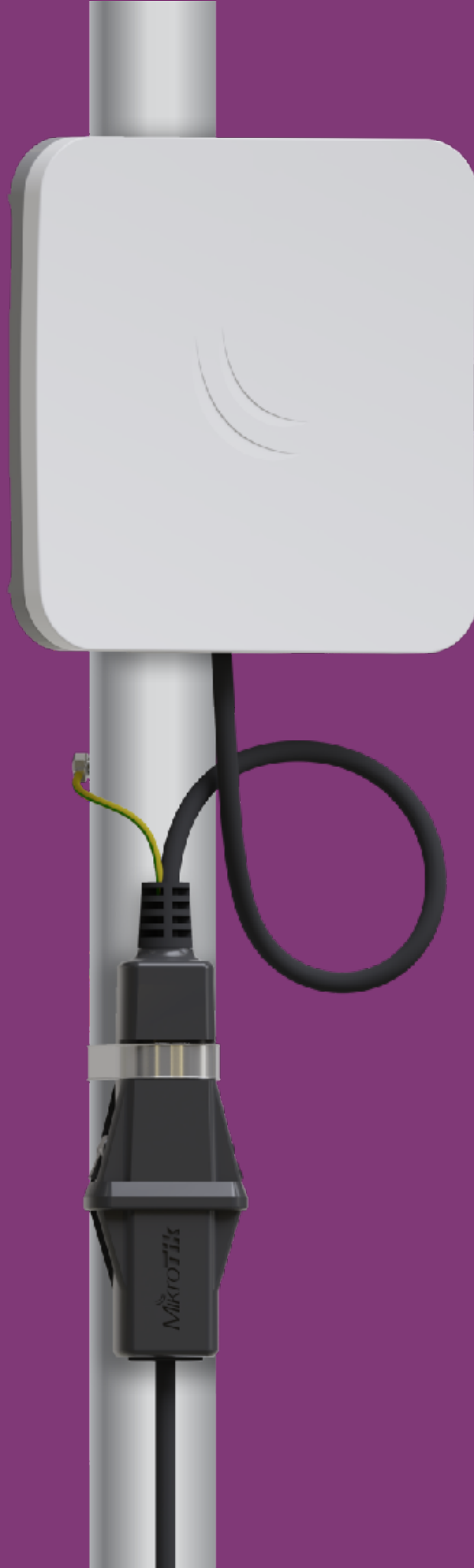


GIGABIT PASSIVE ETHERNET NETWORK

GPER



- Gigabit passive Ethernet repeater
- Ethernet extender with PoE passthrough
- 24-57 V supported
- Integrated 15 kV ESD protection
- ~2.5 V loss per 100 meters, allows up to 1.5 km long cable with PoE



GESP

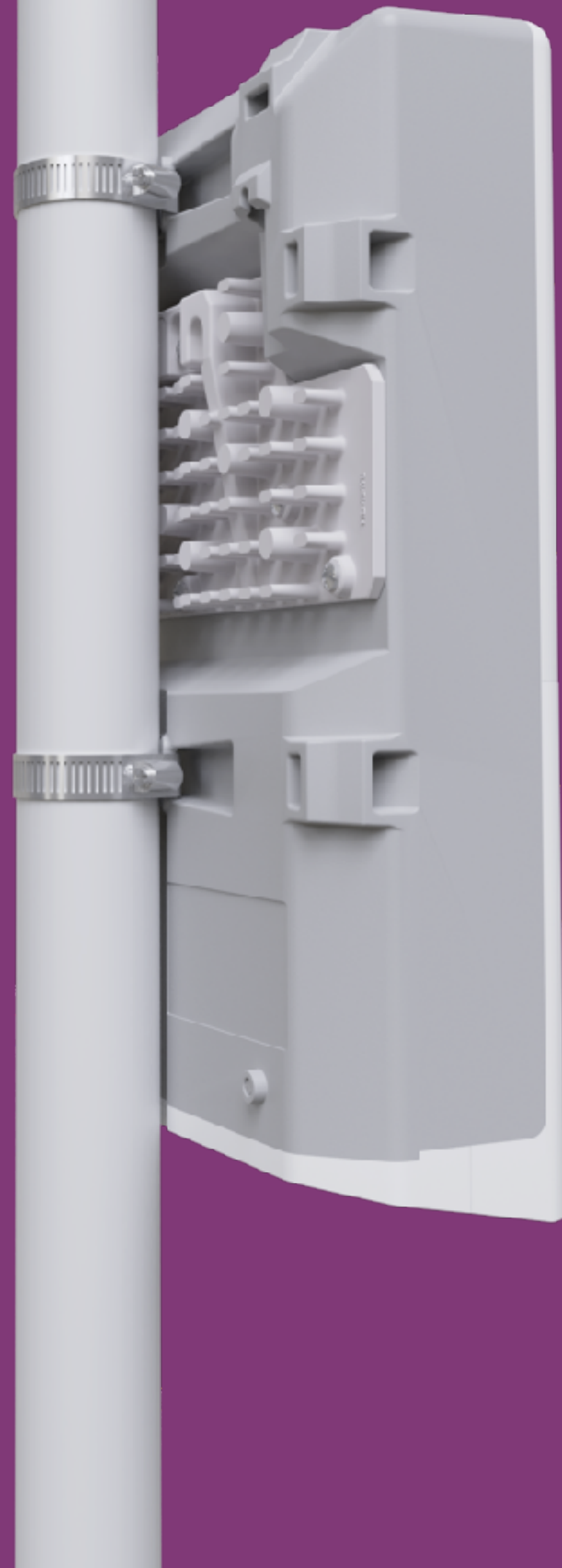
- Gigabit Ethernet surge protector
- Up to 30 kV
- Tower, server room or both



GPEN

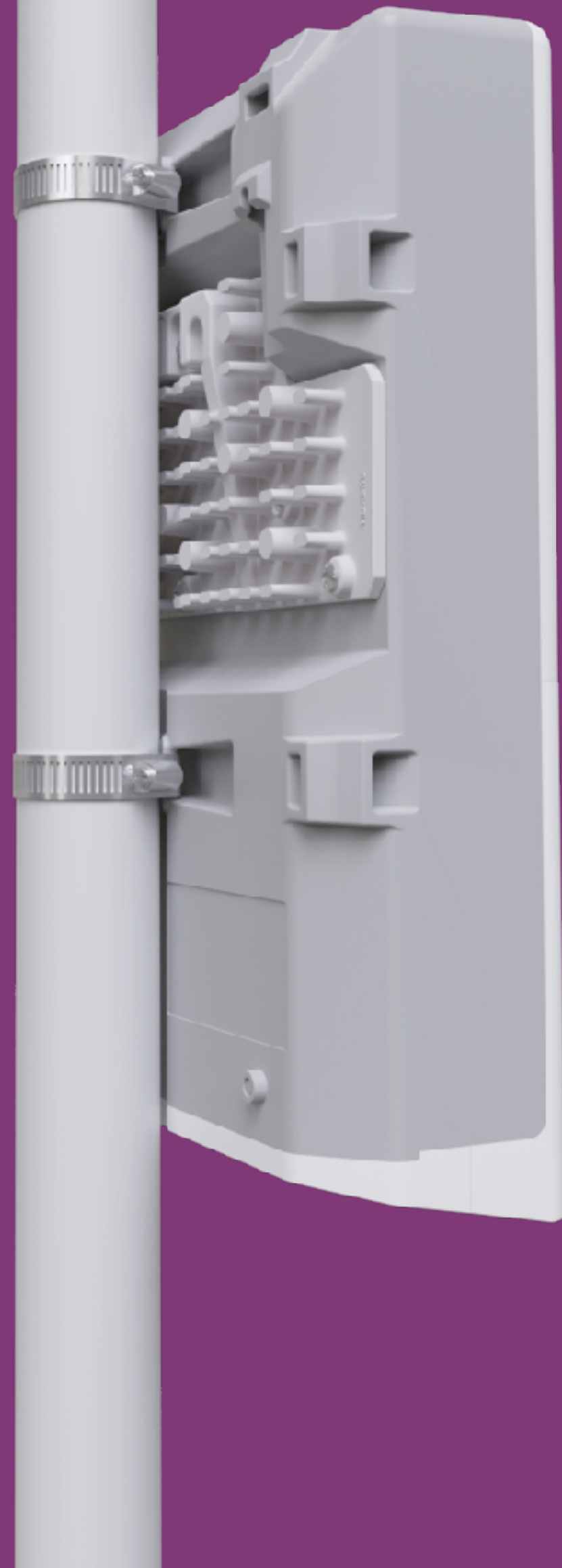
- Gigabit passive Ethernet network
- GPEN11 - PoE injector, can be mounted securely
- GPEN21 - smart injector, also adds SFP for fiber to copper functionality

netPower 15FR



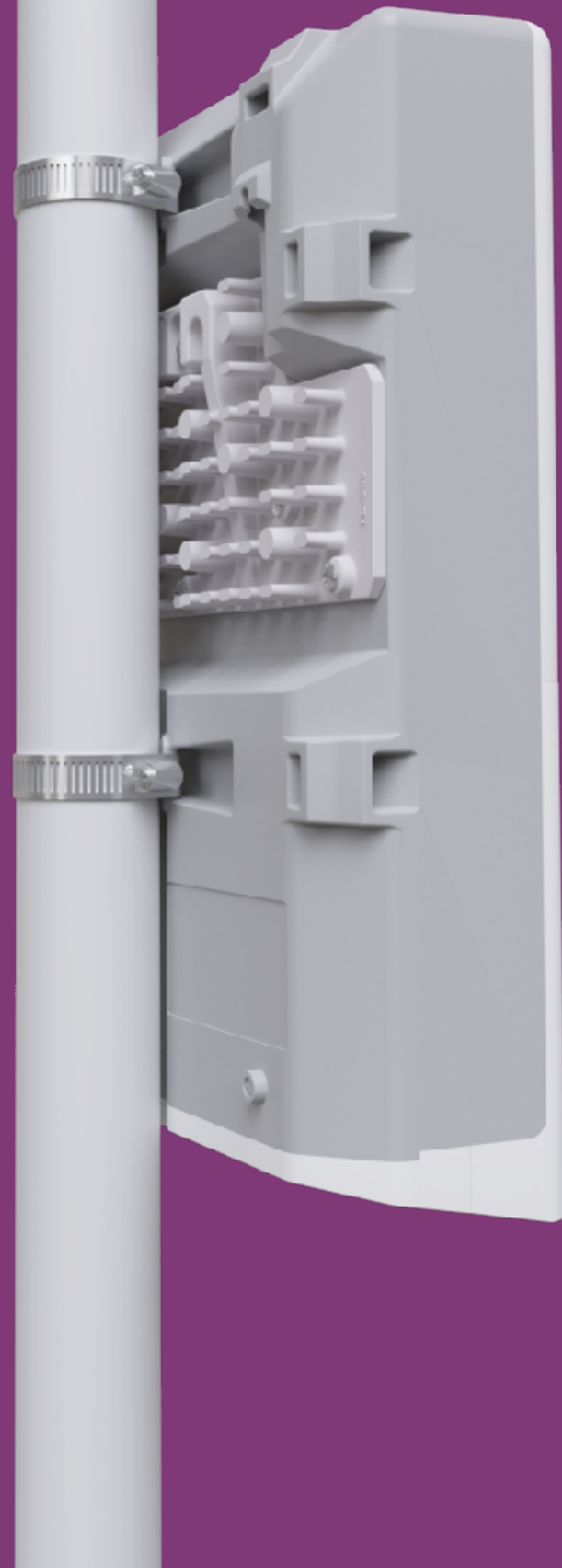
- CRS318-1Fi-15Fr-2S
- 16 Ethernet ports and 2xSFP uplinks
- Reverse PoE (PoE in) on 15x ports
- PoE out on single port
- Very affordable pricing

netPower 16P

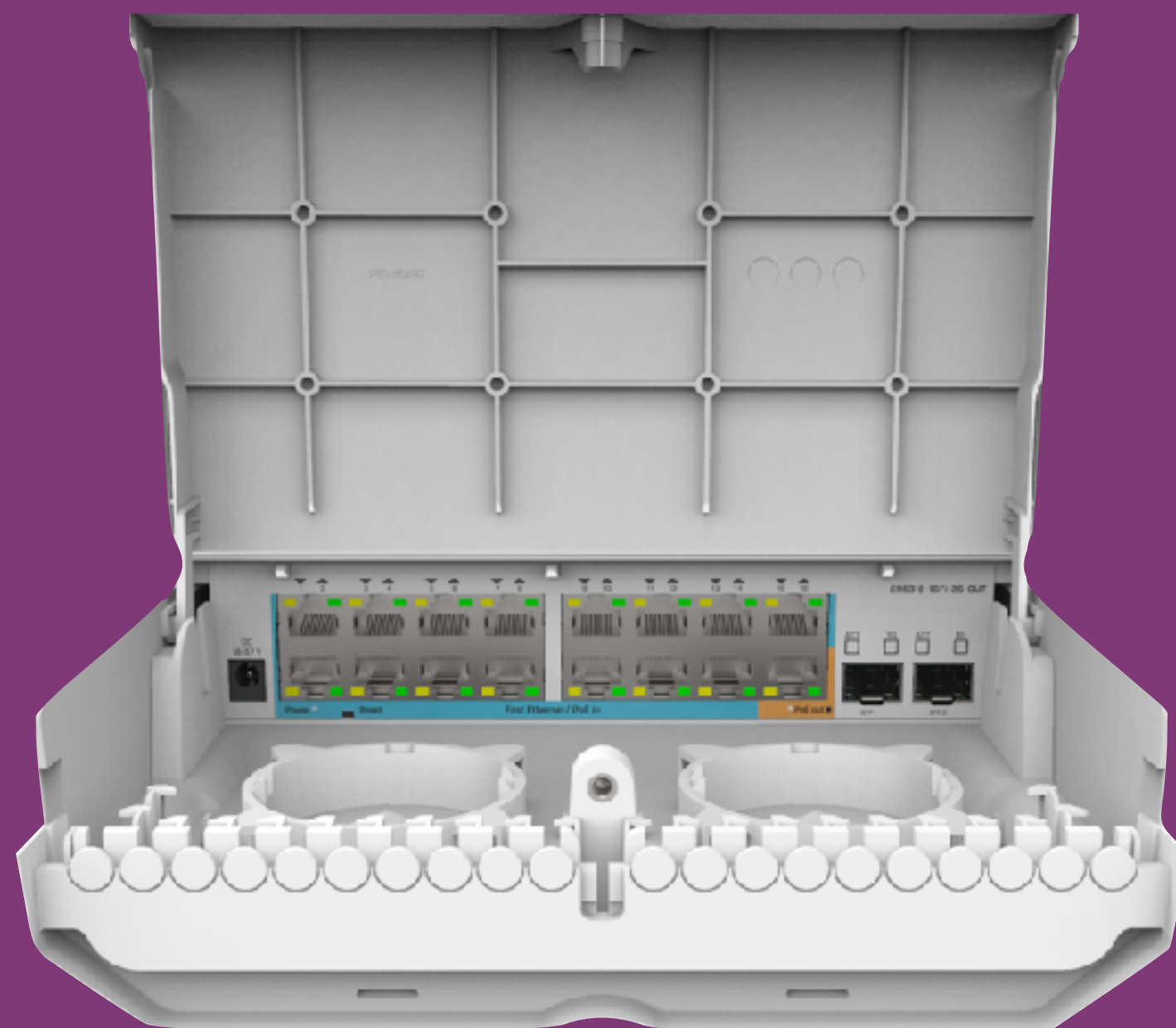


- CRS318-16P-2S+
- 16 Gigabit Ethernet PoE out ports
- 2x SFP+ uplinks

netPower Lite 8P



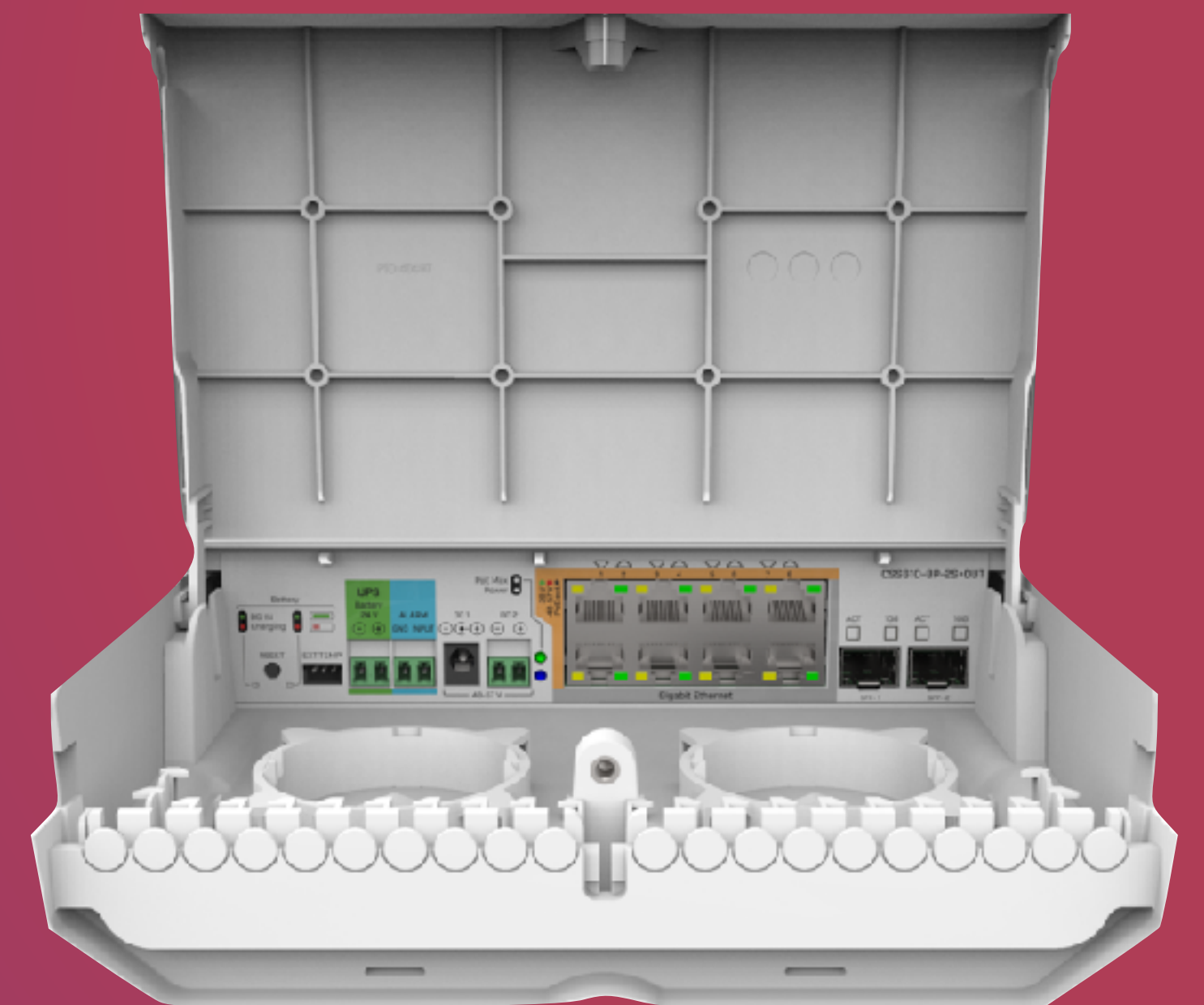
- CSS610-8P-2S+
- SwOS only
- 8 Ethernet ports with PoE out and 2x SFP+ uplinks
- Will have built-in UPS battery support
- Very affordable pricing



netPower 15FR



netPower 16P

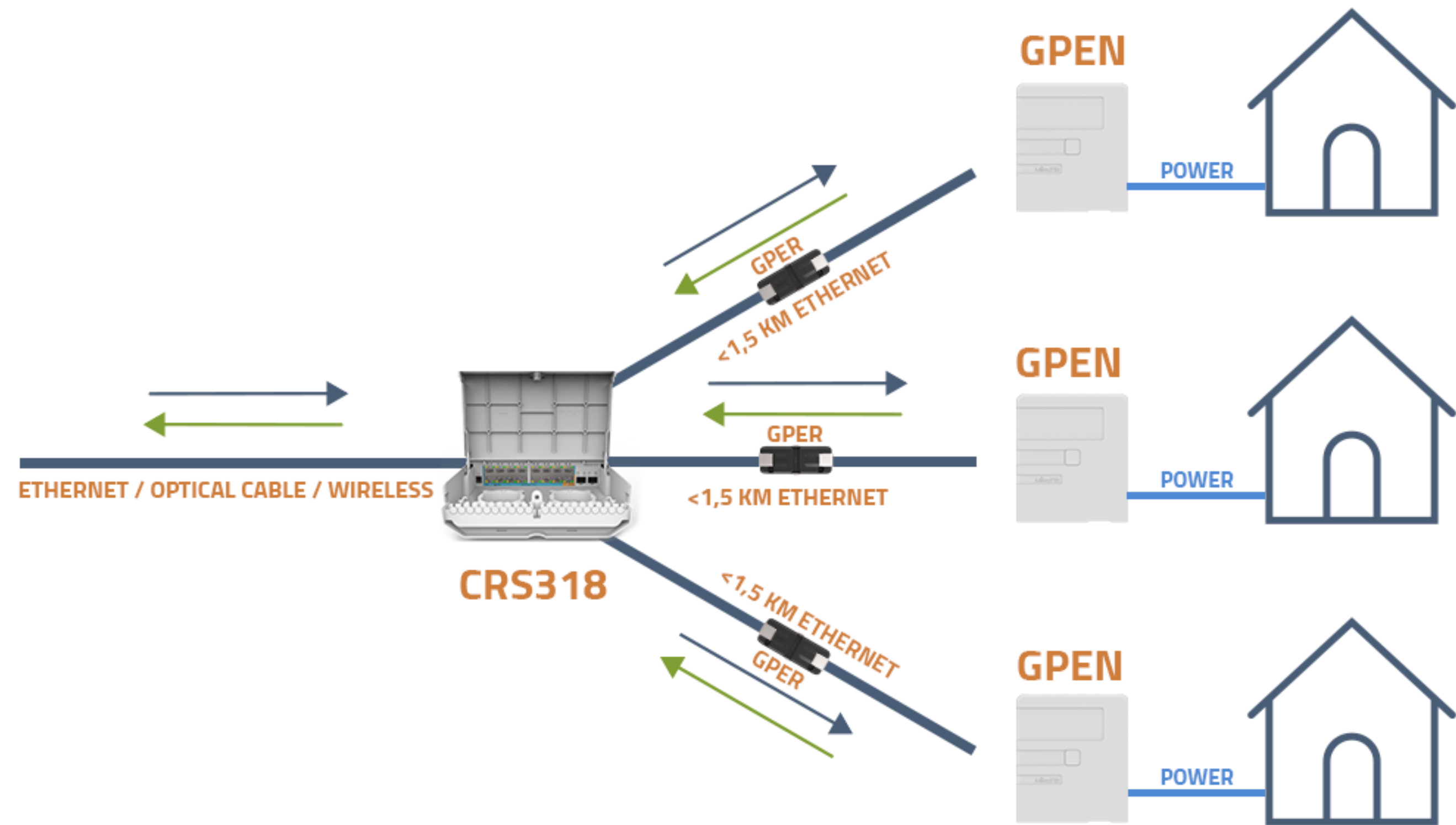


netPower Lite 8P

CENTRAL OFFICE

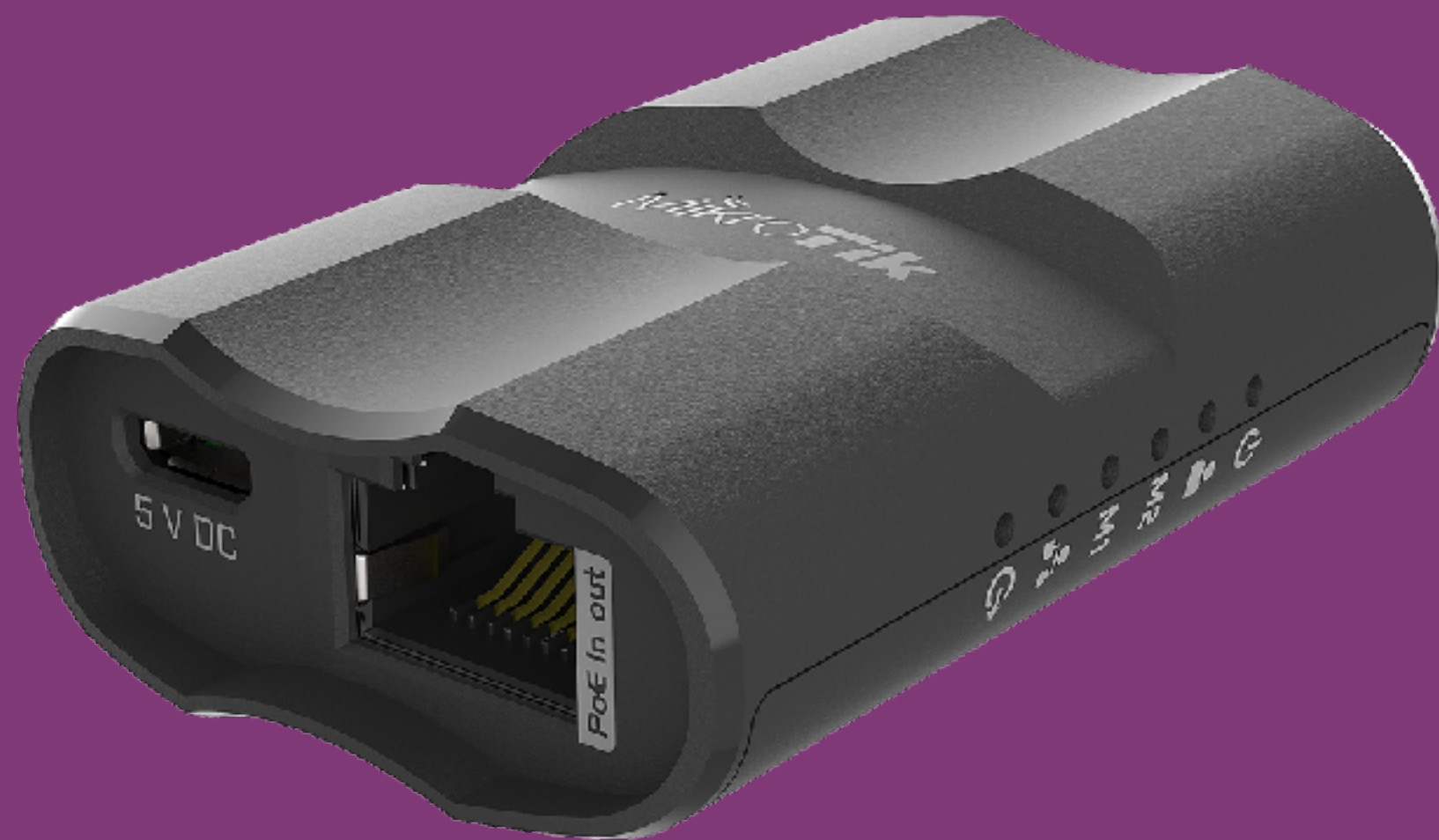


REGULAR NETWORK



MQS

- Mobile quick setup
- Administrators friend
- Manage Ethernet only devices from your phone over WiFi
- Can be powered from power bank
- PoE out voltage 12 V

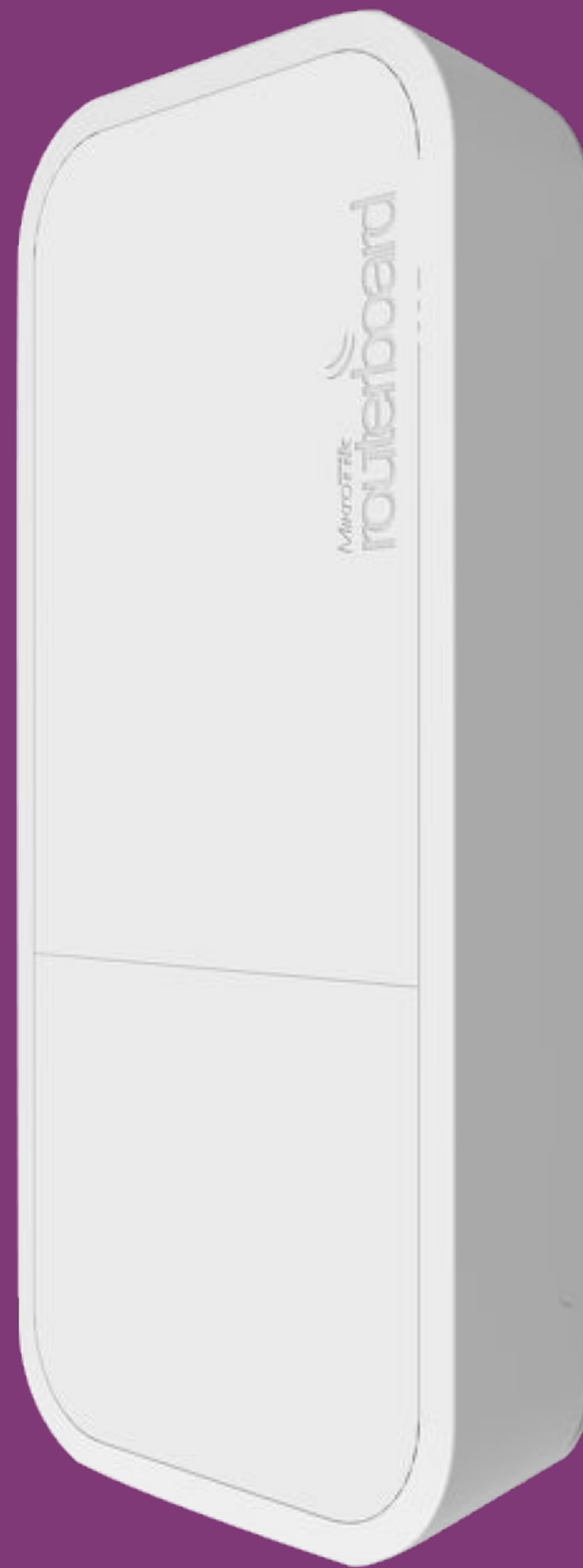




LoRa

- wAP 2 GHz AP with LoRa gateway
- UDP packet forwarder to any public or private network server
- Integrated 2.5 dBi antenna with external antenna support
- LoRa mPCIe Gateway module available

mUPS PRO



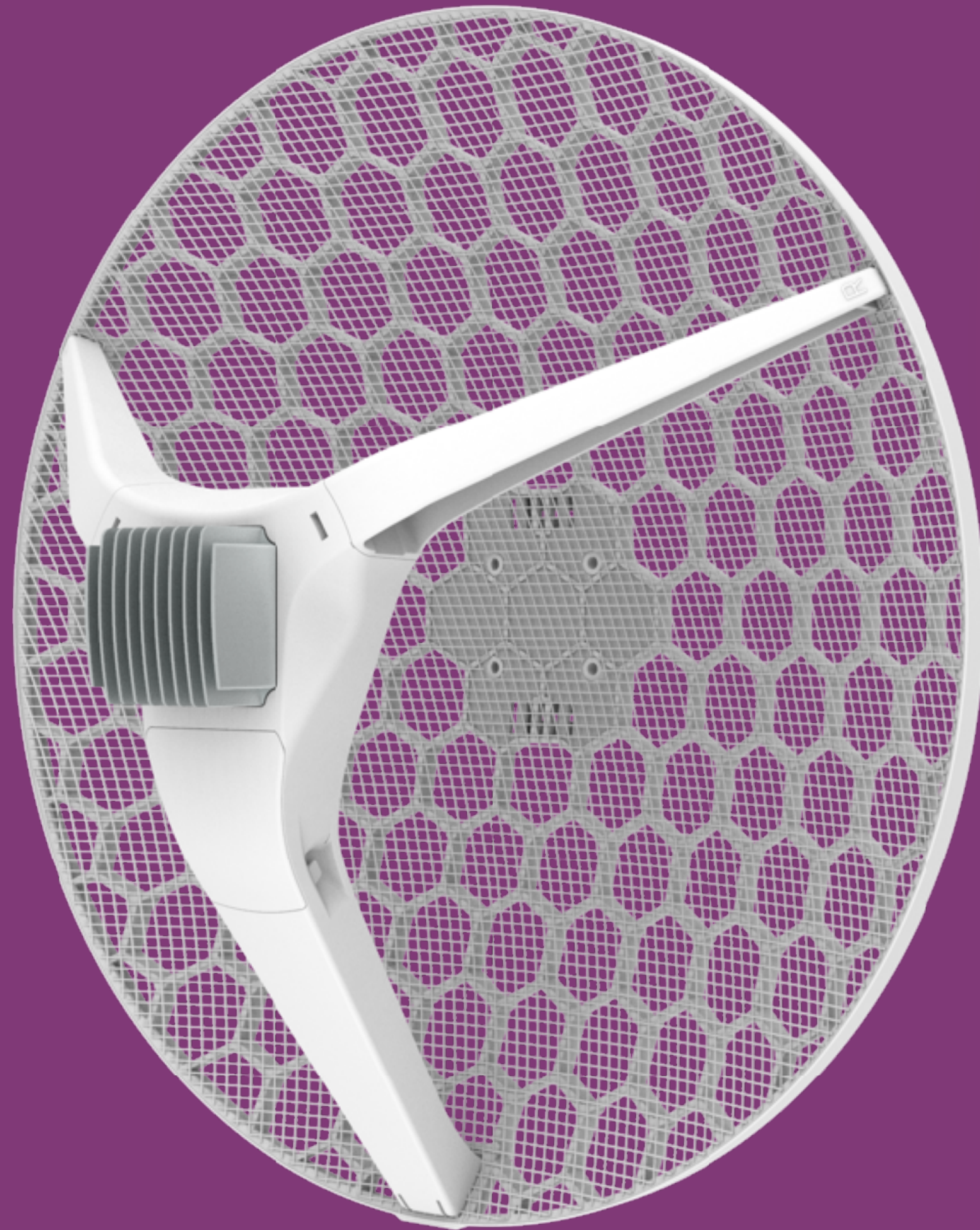
- Same form factor as mUPS
- 12 V/24 V battery support
- 24 V/48 V PoE out support
- Managed through web interface

LtAP



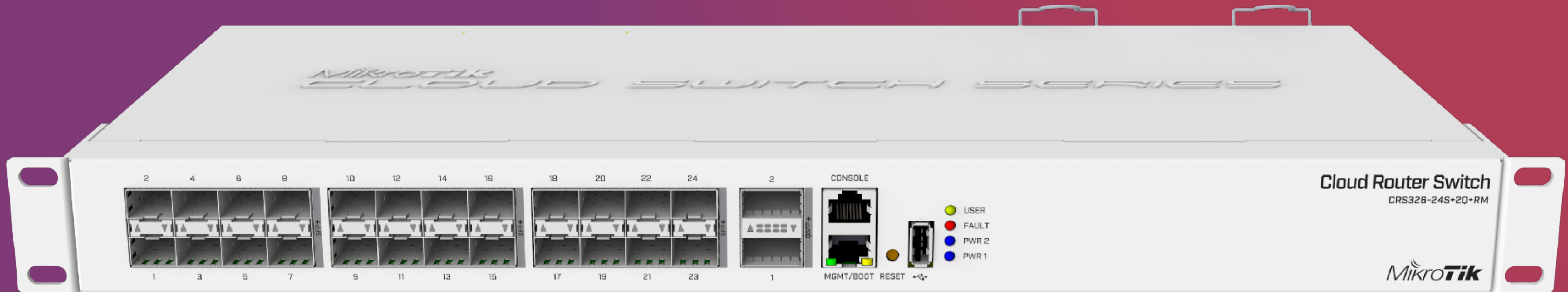
- Still coming, soon, promise!
- Three SIM slots, two miniPCle
- GPS (GNSS), built-in WiFi, multiple power sources, USB, console
- SMA connector for GPS, places for optional SMA connectors for other antennas

LHG XL HP

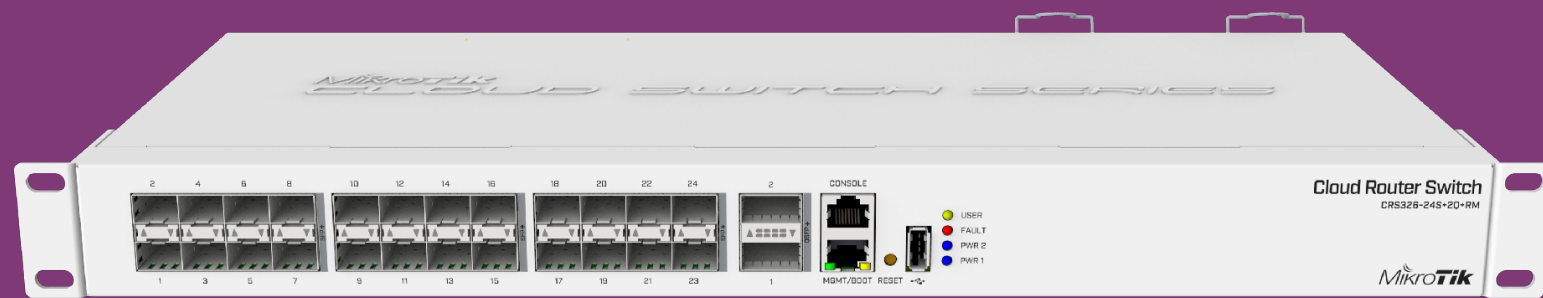


- Simultaneous dual band router
- Gigabit Ethernet and SFP
- Use for failover or high throughput
- High gain and output power

CRS326-24S+2Q+

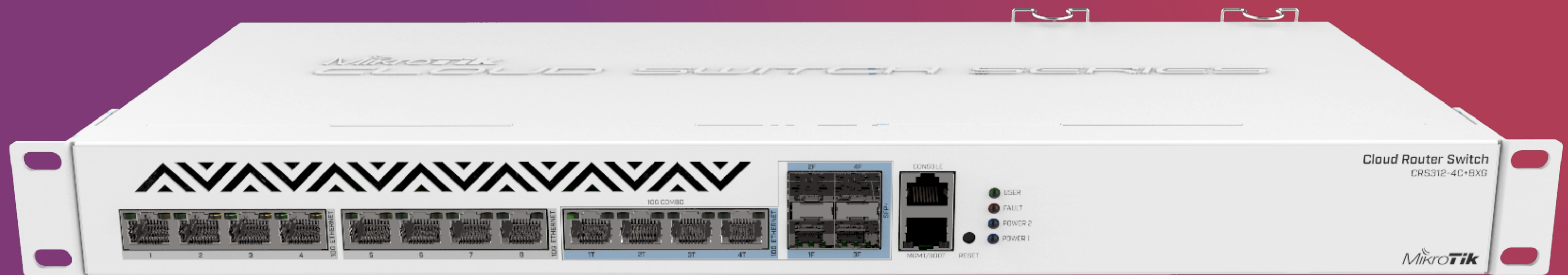


CRS326-24S+2Q+

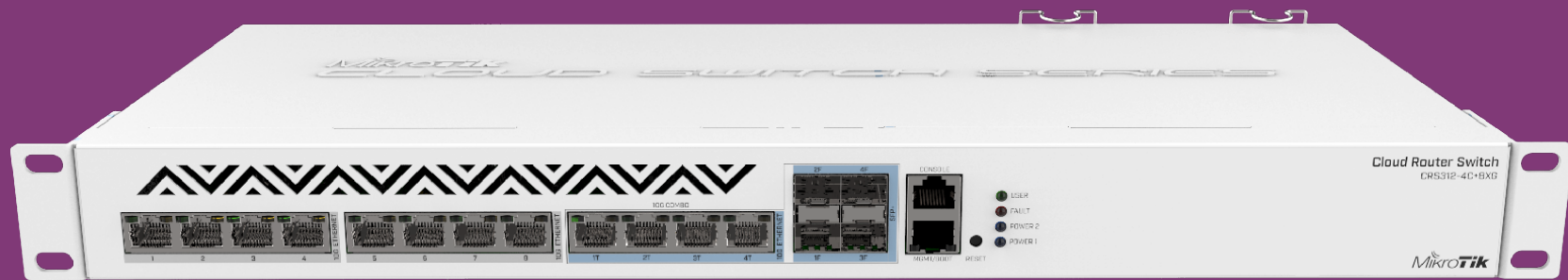


- 24x SFP+ (10G ports)
- 2x QSFP+ (40G ports)

CRS312-4C+8XG

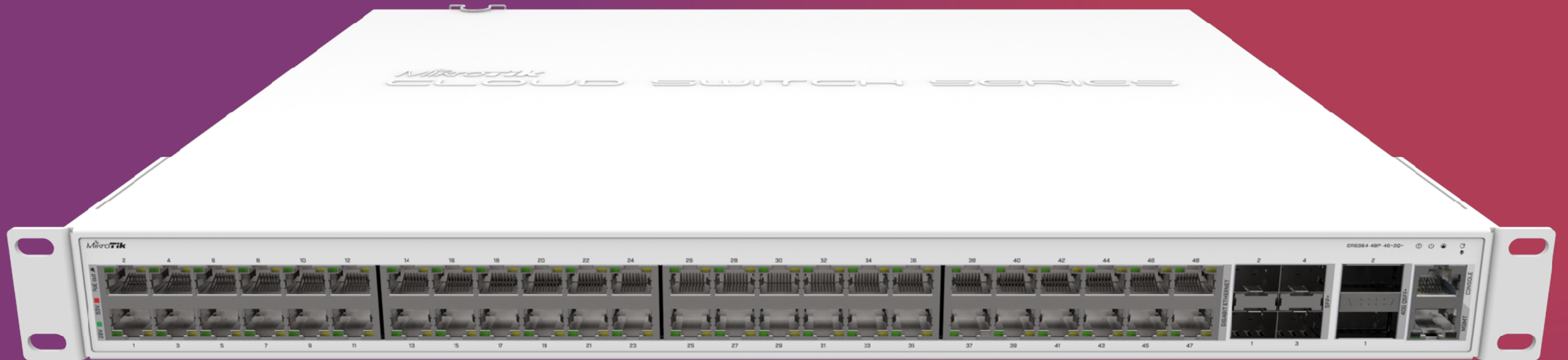


CRS312-4C+8XG

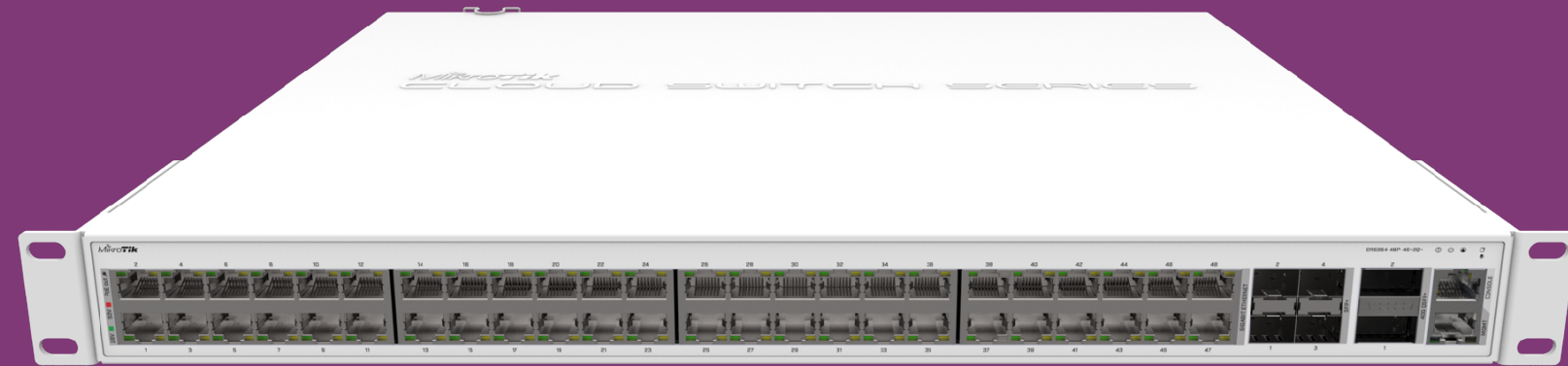


- 8x 10G Ethernet ports
- 4x 10G Ethernet / 10G SFP+ combo ports
- Console and management ports
- Dual PSU

CRS354



CRS354



- 48x Gigabit ports
- 4x SFP+ ports
- 2x QSFP+ ports
- 48x PoE out port version

CCR updates

- All CCR 16-core and 36-core routers now will have dual PSU for redundancy
- Full size USB port
- Improved PSU design
- Optional 48 V PSU available separately





AUDIENCÉ

AUDIENCÉ



Audience

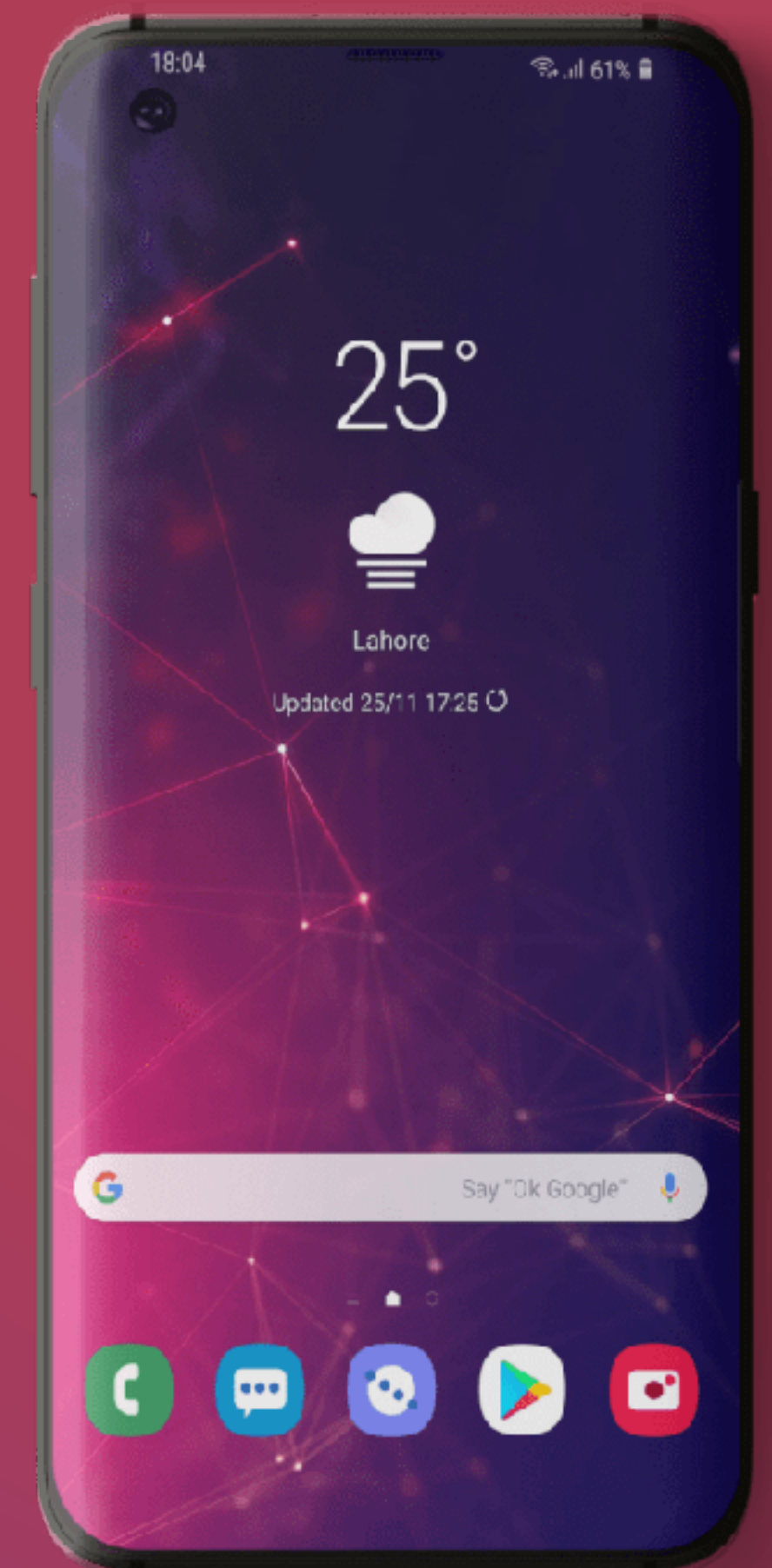
- Tri-band 802.11ac home AP with mesh function
- Secondary 5 GHz interface pairs with other units
- Two Ethernet ports
- LTE model with SIM slot and CAT6 modem



MikroTik app for iOS / Android



Scan me



RouterOS updates

6.43.x (long-term)	454 (17 important)
6.44.x (stable)	282 (8 important)
6.45beta (testing)	128 (3 important)

The image features the Microtik logo centered over a stylized world map. The map uses a color gradient from dark purple to bright red, with white lines representing latitude and longitude. The logo itself is white and consists of a stylized 'M' with a curved line above it, followed by the word 'ikroTik' in a bold, italicized sans-serif font.

MikroTik